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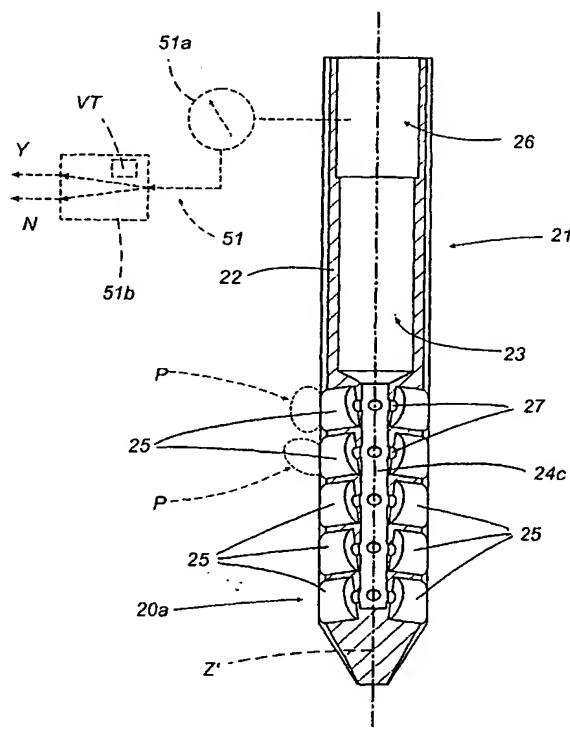
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(54) Title: A CAPSULE FILLING MACHINE



(57) Abstract: A capsule filling machine (10) for the production of hard gelatin capsules (C) of the type with a capsule lid and a capsule body (13, 14) containing pharmaceutical micro-tablets (12) comprises a first rotary carousel (2) supporting a plurality of slide units (3) for picking up and handling capsules (C) in order to open then close the capsules (C) by separating then joining the capsule lids (13) and the capsule bodies (14); a second carousel (4), which rotates in such a way that it is synchronized with the first carousel (2), having a plurality of reciprocating doser means (21) moving between a first operating position in which the doser means (21) are designed to pick up particulate material (12) from a tank (11) containing the material which is attached to the machine (10) and a second operating position in which they release the material into the capsule (C) bodies (14). The doser means (21) each comprise a hollow nozzle (22) with a plurality of seats (25) on its edge for picking up and holding the particulate pharmaceutical material (12), each seat (25) communicating with pneumatic means (24a, 24b), the pneumatic means (24a, 24b) comprising pneumatic vacuum means (24a) which, in the first operating position, suck up and hold individual particles (12) of the material in respective seats (25) of the nozzle (22), and pressurised pneumatic means (24b) which generate a flow that discharges the particles (12) from the seats (25) in the second operating position to release the material into the capsule (C) bodies (14).